

ABSTRACT

5 A processing system executes an emulation patch for a guest virtual
machine (VM) of the processing system. In one embodiment, the emulation patch
includes data to facilitate identification of a routine to emulate a guest instruction.
After executing the emulation patch for the guest VM, the processing system may
use the data to find an emulation routine for emulating the guest instruction. The
10 processing system may transfer control from the guest VM to a virtual machine
monitor (VMM) in response to execution of the emulation patch, without saving a
trap frame. The VMM may then find and execute the emulation routine for the
guest instruction without decoding the guest instruction. A break instruction with
an immediate value, for example, may be used for the emulation patch. The
15 immediate value may be used for finding the emulation routine. Other
embodiments are described and claimed.